



Effective inspection of small and mid-sized cars on roads, border control and high security location.

The SPECTRUM **CARGO COMPACT** was designed to meet the highest demands. Using technology that transmits low dose of radiation allowing the permanence of the driver inside the vehicle while it passes through the inspection tunnel.

Smuggling, illicit products, tax evasion products and explosives inside the vehicle can be easily identified by the system. It provides dynamic inspection ensuring high volume of traffic with high reliability in the analysis of results.



TECHNICAL SPECIFICATIONS

GENERAL SPECIFICATIONS

- Type X-ray source X-ray tube cooled oil
- Speed..... 4km/h ~ 15km/h
- Maximum vehicle size 3m (W); 3m (H); Length: No limit
- Inspection method Drive Through
- Inspection Flow 150 vehicles per hour
- Beam energy 320kV (200kV optional)
- Steel Penetration* 70mm (40mm)
- Maximum dose absorbed by the driver $\leq 0.19\mu\text{Sv}$ ($\leq 0.12\mu\text{Sv}$) inspection at 8km/h

STANDARD FEATURES

- Image auto save
- Zoom up to 64x
- Edge enhancement
- High penetration function
- Sharpness
- Image Export BMP, JPG
- Export to a secure VMI encrypted viewing application
- Network connection
- Scanning in real time
- Self diagnostic system
- Storage capacity above 50,000 images (expandable)
- Suspicious image tagging feature and image analysis report record
- organic / inorganic material discrimination
- reports
- Pseudo-color, rising edges, filter, contrast adjustment, histogram equalization, linear / logarithmic transformation, standardization, marks and comments of suspicious items, mirror, comparisons between multiple images, procedure report, area calculation, user define macro, etc.

SECURITY

- Traffic lights for automatic traffic control
- Video monitoring system with digital video recorder
- Radio communication system

In accordance with ANSI 43.17-2009

INSTALLATION DATA

- Operating Temperature $-20^{\circ}\text{C} \sim +50^{\circ}\text{C}$ ($-30^{\circ}\text{C} \sim +50^{\circ}\text{C}$ optional)
- Storage Temperature $-30^{\circ}\text{C} \sim +55^{\circ}\text{C}$
- Humidity 0%~99% (non-condensing)
- Power Supply 220VAC $\pm 10\%$, monophase, 50/60Hz ± 1
- Power Consumption 2kVA

OPTIONAL FUNCTIONS

- Optical character recognition system (OCR)
- Automatic system for reading license plates of vehicles integrated with the images
- Radioactivity monitor
- Extra image analysis station
- Image storage additional
- Power supply stabilizer
- UPS
- Integrated dosimeter for monitoring and dose record for each inspection
- Remote workstation for network viewing images
- Electronic barrier for traffic control



* According to VMI test piece

"Technical Specifications subject to change without notice."



VMI Security Systems

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X-RAY SCANNERS